

What is claimed is:

1. A cable assembly comprising:

an insulative housing having a plurality of electrical terminals received therein;

a metallic shielding having a space for receiving the housing, an opening being defined in a longitudinal side wall of the shielding parallel to the housing;

an adapter having a base received in the space and a connecting portion extending from the base and out through the opening of the shielding, a channel being defined through the adapter from the connecting portion toward the base;

a cable extending through the channel into the space of the shielding and establishing electrical connection with the terminals of the housing/;

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2. The cable assembly as claimed in claim 1, wherein the shielding comprises a first portion and a second portion coupled with the first portion to form the space.

3. The cable assembly as claimed in claim 2, wherein the opening is formed at a middle portion of a side wall of the second portion.

4. The cable assembly as claimed in claim 1, wherein the side wall of the shielding defines a hole adjacent the opening, the base of the adapter defines a locating hole in alignment with the hole of the side wall, and a fastener extends through the hole of the side wall and the locating hole of the base for attaching the adapter to the shielding.

<sup>2</sup>/~~5~~. The cable assembly as claimed in claim 1, wherein the cable comprises a plurality of conductive wires enclosed by an electro magnetic interference (EMI) shielding.

<sup>3</sup>/~~6~~. The cable assembly as claimed in claim <sup>2</sup>/~~5~~, wherein a diameter of the channel of the adapter is slightly greater than a diameter of the EMI shielding of the cable, and an inner wall of the adapter at the channel electrically contacts the EMI shielding.

7. The cable assembly as claimed in claim 1, further comprising a sleeve attached to the adapter and the cable, the sleeve ~~abutting~~ the side wall of the shielding and enclosing the connecting portion of the adapter and at least part of the cable.

<sup>4</sup>/~~8~~. A cable assembly comprising:  
an insulative housing having a plurality of electrical terminals received therein;  
an outer shielding substantially covering the housing;  
an adapter, part thereof residing in the shielding and another part thereof being outside the shielding, a channel being defined through the adapter and into the shielding;  
a cable extending through the channel of the adapter into the shielding and electrically connecting with the terminals of the housing;

A<sub>2</sub> <sup>9</sup>/~~9~~. The cable assembly as claimed in claim <sup>8</sup>/~~8~~, wherein the shielding comprises a first portion and a second portion coupled with the first portion, thereby defining a

space accommodating the housing and said part of the adapter.

10. The cable assembly as claimed in claim 9, wherein the shielding defines a first opening in a mating face of the cable assembly for leading the housing into the space, and further defines a second opening at a middle portion of a side wall of the shielding that is perpendicular to the mating face and parallel to the housing.

11. The cable assembly as claimed in claim 10, wherein the said part of the adapter residing in the shielding comprises a base, and said part of the adapter outside the shielding is a connecting portion extending from the base out through the second opening, the channel being defined through the base and the connecting portion.

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12. The cable assembly as claimed in claim 8, wherein an inner wall of the channel in the adapter contacts an electro magnetic interference (EMI) shielding of the cable in the channel.

13. The cable assembly as claimed in claim 8, further comprising a fastener extending through a hole defined in the shielding and a locating hole defined in the base of the adapter and thereby securing the adapter to the shielding.

14. The cable assembly as claimed in claim 11, further comprising a sleeve enclosing the connecting portion of the adapter and at least part of the cable, one end of the sleeve abutting the side wall of the shielding.

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15. An electrical system, comprising:

a cable assembly including an insulative housing having a plurality of electrical terminals received therein and a metallic shielding attached to the housing, an adapter having one part residing in the shielding and another part outside the shielding, the adapter defining a channel therethrough and into the shielding, a cable extending through the channel of the adapter into the shielding and electrically connecting with the terminals in the housing; and

a header connector having a metallic shielding attached thereon, said shielding electrically connecting with the shielding of the cable assembly when the header connector is mated with the cable assembly.

16. The electrical system as claimed in claim 15, wherein a pair of projections is formed on the housing, the projections being received in a pair of recesses defined in the header connector for polarized mating of the cable assembly and the header connector.

17. An electrical assembly comprising:

an insulative housing having a plurality of terminals therein;

an outer metallic shielding at least partially enclosing said housing, said shielding defining a face with an opening therein;

a conductive adaptor secured to the shield and defining a tubular structure extending outward away from said face with a distance;

a round cable including a bundle of wires enclosed in an EMI (Electro Magnetic Interference) shielding, said wires extending into the outer shielding

through the opening toward the housing and electrically connecting to the corresponding terminals, respectively, under a condition that the tubular structure engageably enclosing the EMI shielding; and  
an insulative sleeve fixedly enclosing said tubular structure.